

# RAW SEQUENCE LISTING

EFS

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/511,722 A  
Source: 1FW16  
Date Processed by STIC: 11/20/06

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 11/20/2006

PATENT APPLICATION: US/10/511,722A

TIME: 13:46:51

Input Set : N:\efs\10511722a\_efs\2006-11-25SequenceListing.txt  
 Output Set: N:\CRF4\11202006\J511722A.raw

3 <110> APPLICANT: Yeda Research and Development Co. Ltd.  
 4 WALLACH, David  
 5 SHMUSHKOVICH, Taisia  
 6 RAMAKRISHNAN, Parameswaran  
 8 <120> TITLE OF INVENTION: Derivatives of the IL-2 receptor Gamma chain, their  
 preparation  
 9 and use  
 11 <130> FILE REFERENCE: WALLACH32  
 13 <140> CURRENT APPLICATION NUMBER: 10/511,722A  
 C--> 14 <141> CURRENT FILING DATE: 2005-06-22  
 16 <160> NUMBER OF SEQ ID NOS: 27  
 18 <170> SOFTWARE: PatentIn version 3.3  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 86  
 22 <212> TYPE: PRT  
 23 <213> ORGANISM: Homo sapiens  
 25 <400> SEQUENCE: 1  
 27 Glu Arg Thr Met Pro Arg Ile Pro Thr Leu Lys Asn Leu Glu Asp Leu  
 28 1 5 10 15  
 31 Val Thr Glu Tyr His Gly Asn Phe Ser Ala Trp Ser Gly Val Ser Lys  
 32 20 25 30  
 35 Gly Leu Ala Glu Ser Leu Gln Pro Asp Tyr Ser Glu Arg Leu Cys Leu  
 36 35 40 45  
 39 Val Ser Glu Ile Pro Pro Lys Gly Gly Ala Leu Gly Glu Gly Pro Gly  
 40 50 55 60  
 43 Ala Ser Pro Cys Asn Gln His Ser Pro Tyr Trp Ala Pro Pro Cys Tyr  
 44 65 70 75 80  
 47 Thr Leu Lys Pro Glu Thr  
 48 85  
 51 <210> SEQ ID NO: 2  
 52 <211> LENGTH: 41  
 53 <212> TYPE: PRT  
 54 <213> ORGANISM: Homo sapiens  
 56 <400> SEQUENCE: 2  
 58 Leu Cys Leu Val Ser Glu Ile Pro Pro Lys Gly Gly Ala Leu Gly Glu  
 59 1 5 10 15  
 62 Gly Pro Gly Ala Ser Pro Cys Asn Gln His Ser Pro Tyr Trp Ala Pro  
 63 20 25 30  
 66 Pro Cys Tyr Thr Leu Lys Pro Glu Thr  
 67 35 40  
 70 <210> SEQ ID NO: 3  
 71 <211> LENGTH: 12  
 72 <212> TYPE: PRT  
 73 <213> ORGANISM: Homo sapiens

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Input Set : N:\efs\10511722a\_efs\2006-11-06SequenceListing.txt

Output Set: N:\CRF4\11202006\J511722A.raw

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75 <400> SEQUENCE: 3
77 Trp Ala Pro Pro Cys Tyr Thr Leu Lys Pro Glu Thr
78 1          5          10
81 <210> SEQ ID NO: 4
82 <211> LENGTH: 39
83 <212> TYPE: DNA
84 <213> ORGANISM: Homo sapiens
86 <400> SEQUENCE: 4
87 tgggcccccc catgttacac cctaaagcct gaaacctga          39
90 <210> SEQ ID NO: 5
91 <211> LENGTH: 261
92 <212> TYPE: DNA
93 <213> ORGANISM: Homo sapiens
95 <400> SEQUENCE: 5
96 gaacggacga tgccccgaat tcccaccctg aagaacctag aggatcttgt tactgaatac          60
98 cacgggaact ttctggcctg gagtgggtgtg tctaaggac tggtgagag tctgcagcca          120
100 gactacagtg aacgactctg cctcgtcagt gagattcccc caaaaggagg ggcccttggg          180
102 gaggggctg gggcctcccc atgcaaccag catagccct actgggcccc cccatgttac          240
104 accctaaagc ctgaaacctg a          261
107 <210> SEQ ID NO: 6
108 <211> LENGTH: 126
109 <212> TYPE: DNA
110 <213> ORGANISM: Homo sapiens
112 <400> SEQUENCE: 6
113 ctctgcctcg tcaagtgat tccccaaaa ggaggggccc ttggggaggg gcctggggcc          60
115 tccccatgca accagcatag cccctactgg gcccccccat gttacaccct aaagcctgaa          120
117 acctga          126
120 <210> SEQ ID NO: 7
121 <211> LENGTH: 37
122 <212> TYPE: DNA
123 <213> ORGANISM: Homo sapiens
125 <400> SEQUENCE: 7
126 ctctgcagtg agattgccgc aaaaggaggg gcccttg          37
129 <210> SEQ ID NO: 8
130 <211> LENGTH: 37
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 8
135 caagggcccc tccttttgcg gcaatctcac tgacgag          37
138 <210> SEQ ID NO: 9
139 <211> LENGTH: 35
140 <212> TYPE: DNA
141 <213> ORGANISM: Homo sapiens
143 <400> SEQUENCE: 9
144 gcccctactg ggccgcccga tgttacaccc taaag          35
147 <210> SEQ ID NO: 10
148 <211> LENGTH: 35
149 <212> TYPE: DNA
150 <213> ORGANISM: Homo sapiens

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152 <400> SEQUENCE: 10
153 ctttaggggtg taacatgcgg cggcccagta ggggc 35
156 <210> SEQ ID NO: 11
157 <211> LENGTH: 39
158 <212> TYPE: DNA
159 <213> ORGANISM: Homo sapiens
161 <400> SEQUENCE: 11
162 gtcagtgaga ttccccagc aggagggggc cttggggag 39
165 <210> SEQ ID NO: 12
166 <211> LENGTH: 39
167 <212> TYPE: DNA
168 <213> ORGANISM: Homo sapiens
170 <400> SEQUENCE: 12
171 ctccccaagg gccctcctg ctgggggaat ctactgac 39
174 <210> SEQ ID NO: 13
175 <211> LENGTH: 33
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo sapiens
179 <400> SEQUENCE: 13
180 ggagggggccc ttggggcggg gcctggggcc tcc 33
183 <210> SEQ ID NO: 14
184 <211> LENGTH: 33
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapiens
188 <400> SEQUENCE: 14
189 ggaggcccca ggccccgccc caaggggccc tcc 33
192 <210> SEQ ID NO: 15
193 <211> LENGTH: 33
194 <212> TYPE: DNA
195 <213> ORGANISM: Homo sapiens
197 <400> SEQUENCE: 15
198 cagcatagcc octacgcggc cccccatgt tac 33
201 <210> SEQ ID NO: 16
202 <211> LENGTH: 33
203 <212> TYPE: DNA
204 <213> ORGANISM: Homo sapiens
206 <400> SEQUENCE: 16
207 gtaacatggg ggggcgcgt aggggctatg ctg 33
210 <210> SEQ ID NO: 17
211 <211> LENGTH: 44
212 <212> TYPE: PRT
213 <213> ORGANISM: Homo sapiens
215 <400> SEQUENCE: 17
217 Trp Leu Glu Arg Thr Met Pro Arg Ile Pro Thr Leu Lys Asn Leu Glu
218 1 5 10 15
221 Asp Leu Val Thr Glu Tyr His Gly Asn Phe Ser Ala Trp Ser Gly Val
222 20 25 30
225 Ser Lys Gly Leu Ala Glu Ser Leu Gln Pro Asp Tyr
226 35 40

```

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229 <210> SEQ ID NO: 18
230 <211> LENGTH: 81
231 <212> TYPE: PRT
232 <213> ORGANISM: Homo sapiens
234 <400> SEQUENCE: 18
236 His Arg Val Ser Ala Ala Glu Leu Gly Gly Lys Val Asn Arg Ala Leu
237 1          5          10          15
240 Gln Gln Val Gly Gly Leu Lys Ser Pro Trp Arg Gly Glu Tyr Lys Glu
241          20          25          30
244 Pro Arg His Pro Pro Pro Asn Gln Ala Asn Tyr His Gln Thr Leu His
245          35          40          45
248 Ala Gln Pro Arg Glu Leu Ser Pro Arg Ala Pro Gly Pro Arg Pro Ala
249          50          55          60
252 Glu Glu Thr Thr Gly Arg Ala Pro Lys Leu Gln Pro Pro Leu Pro Pro
253 65          70          75          80
256 Glu
260 <210> SEQ ID NO: 19
261 <211> LENGTH: 324
262 <212> TYPE: PRT
263 <213> ORGANISM: Homo sapiens
265 <400> SEQUENCE: 19
267 Pro Leu Thr Ala Gln Ala Ile Gln Glu Gly Leu Arg Lys Glu Pro Ile
268 1          5          10          15
271 His Arg Val Ser Ala Ala Glu Leu Gly Gly Lys Val Asn Arg Ala Leu
272          20          25          30
275 Gln Gln Val Gly Gly Leu Lys Ser Pro Trp Arg Gly Glu Tyr Lys Glu
276          35          40          45
279 Pro Arg His Pro Pro Pro Asn Gln Ala Asn Tyr His Gln Thr Leu His
280          50          55          60
283 Ala Gln Pro Arg Glu Leu Ser Pro Arg Ala Pro Gly Pro Arg Pro Ala
284 65          70          75          80
287 Glu Glu Thr Thr Gly Arg Ala Pro Lys Leu Gln Pro Pro Leu Pro Pro
288          85          90          95
291 Glu Pro Pro Glu Pro Asn Lys Ser Pro Pro Leu Thr Leu Ser Lys Glu
292          100         105         110
295 Glu Ser Gly Met Trp Glu Pro Leu Pro Leu Ser Ser Leu Glu Pro Ala
296          115         120         125
299 Pro Ala Arg Asn Pro Ser Ser Pro Glu Arg Lys Ala Thr Val Pro Glu
300          130         135         140
303 Gln Glu Leu Gln Gln Leu Glu Ile Glu Leu Phe Leu Asn Ser Leu Ser
304 145         150         155         160
307 Gln Pro Phe Ser Leu Glu Glu Gln Glu Gln Ile Leu Ser Cys Leu Ser
308          165         170         175
311 Ile Asp Ser Leu Ser Leu Ser Asp Asp Ser Glu Lys Asn Pro Ser Lys
312          180         185         190
315 Ala Ser Gln Ser Ser Arg Asp Thr Leu Ser Ser Gly Val His Ser Trp
316          195         200         205
319 Ser Ser Gln Ala Glu Ala Arg Ser Ser Ser Trp Asn Met Val Leu Ala
320          210         215         220

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323 Arg Gly Arg Pro Thr Asp Thr Pro Ser Tyr Phe Asn Gly Val Lys Val
324 225                230                235                240
327 Gln Ile Gln Ser Leu Asn Gly Glu His Leu His Ile Arg Glu Phe His
328                245                250                255
331 Arg Val Lys Val Gly Asp Ile Ala Thr Gly Ile Ser Ser Gln Ile Pro
332                260                265                270
335 Ala Ala Ala Phe Ser Leu Val Thr Lys Asp Gly Gln Pro Val Arg Tyr
336                275                280                285
339 Asp Met Glu Val Pro Asp Ser Gly Ile Asp Leu Gln Cys Thr Leu Ala
340                290                295                300
343 Pro Asp Gly Ser Phe Ala Trp Ser Trp Arg Val Lys His Gly Gln Leu
344 305                310                315                320
347 Glu Asn Arg Pro
351 <210> SEQ ID NO: 20
352 <211> LENGTH: 357
353 <212> TYPE: PRT
354 <213> ORGANISM: Homo sapiens
356 <400> SEQUENCE: 20
358 Met Leu Lys Pro Ser Leu Pro Phe Thr Ser Leu Leu Phe Leu Gln Leu
359 1                5                10                15
362 Pro Leu Leu Gly Val Gly Leu Asn Thr Thr Ile Leu Thr Pro Asn Gly
363                20                25                30
366 Asn Glu Asp Thr Thr Ala Asp Phe Phe Leu Thr Thr Met Pro Thr Asp
367                35                40                45
370 Ser Leu Ser Val Ser Thr Leu Pro Leu Pro Glu Val Gln Cys Phe Val
371                50                55                60
374 Phe Asn Val Glu Tyr Met Asn Cys Thr Trp Asn Ser Ser Ser Glu Pro
375 65                70                75                80
378 Gln Pro Thr Asn Leu Thr Leu His Tyr Trp Tyr Lys Asn Ser Asp Asn
379                85                90                95
382 Asp Lys Val Gln Lys Cys Ser His Tyr Leu Phe Ser Glu Glu Ile Thr
383                100               105               110
386 Ser Gly Cys Gln Leu Gln Lys Lys Glu Ile His Leu Tyr Gln Thr Phe
387                115               120               125
390 Val Val Gln Leu Gln Asp Pro Arg Glu Pro Arg Arg Gln Ala Thr Gln
391                130               135               140
394 Met Leu Lys Leu Gln Asn Leu Val Ile Pro Trp Ala Pro Glu Asn Leu
395 145                150               155               160
398 Thr Leu His Lys Leu Ser Glu Ser Gln Leu Glu Leu Asn Trp Asn Asn
399                165               170               175
402 Arg Phe Leu Asn His Cys Leu Glu His Leu Val Gln Tyr Arg Thr Asp
403                180               185               190
406 Trp Asp His Ser Trp Thr Glu Gln Ser Val Asp Tyr Arg His Lys Phe
407                195               200               205
410 Ser Leu Pro Ser Val Asp Gly Gln Lys Arg Tyr Thr Phe Arg Val Arg
411                210               215               220
414 Ser Arg Phe Asn Pro Leu Cys Gly Ser Ala Gln His Trp Ser Glu Trp
415 225                230               235               240
418 Ser His Pro Ile His Trp Gly Ser Asn Thr Ser Lys Glu Asn Pro Phe

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/511,722A

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Input Set : N:\efs\10511722a\_efs\2006-11-06SequenceListing.txt  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:23,24,25,26,27

VERIFICATION SUMMARY

DATE: 11/20/2006

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Input Set : N:\efs\10511722a\_efs\2006-11-06SequenceListing.txt

Output Set: N:\CRF4\11202006\J511722A.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date